

Kindly amend Claims 26, 27, 28, 29, 33, 34, and 40,
as follows:

A/ 2 ~~26~~. (Amended) The battery of claim [23] ~~62~~, where M [is further defined as being] comprises a combination of cations of an element [, at least one of said cations being] selected from the group consisting of Mn, Fe, Co, and Ni.

Claim 27, line ~~1~~, change "25" to --62--.

Claim 28, line ~~2~~, change "23" to --62--.

Claim 29, line ~~4~~, replace all instances of "x" with --a-

--.

Claim 33, line ~~3~~, change "x" to --n--.

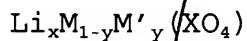
Claim 34, line ~~2~~, change all instances of "x" to --n--.

Claim 40, line ~~2~~, after ")", insert --at room temperature--.

Kindly add claims 62-65, as follows:

--62. A cathode material for a rechargeable
electrochemical cell, said cell also comprising an anode and

an electrolyte, the cathode material comprising a compound of the ordered or modified olivine structure having the formula:



wherein:

M is a cation the of a metal selected from the group consisting of Fe, Mn, Co, Ti, Ni. or mixtures thereof;

M' is a dopant cation of a metal selected from the group consisting Mg, Ni, Co, Zn, Cu, Ti, Al, Cr, Fe, Mn, Ga, V, Ge, Sn, Nb, Ta, and mixtures thereof;

X comprises Si, S, P, V, or mixtures thereof;

$0 \leq x \leq 1$; and

$0 \leq y \leq 0.2$.

63. A cathode material according to Claim 62, wherein y is greater than 0, and M and M' can be the same or different.

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64. A cathode material according to Claim 62, wherein ~~x~~ is P.